

## Ovation Polymers UTTAP ES 10559 Polycarbonate Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

Polycarbonate Alloy – High temperature (HDT), high Impact, with excellent short and long term heat stability. \*All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance. Information provided by Ovation Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ovation-Polymers-UTTAP-ES-10559-Polycarbonate-Alloy.php](http://www.lookpolymers.com/polymer_Ovation-Polymers-UTTAP-ES-10559-Polycarbonate-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	50 mm/min; ASTM D638
Elongation at Break	40 %	40 %	50 mm/min; ASTM D638
Tensile Modulus	1.75 GPa	254 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	82.0 MPa	11900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	1.98 GPa	287 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	6.407 J/cm	12.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	135 °C @Thickness 3.20 mm	275 °F @Thickness 0.126 in	unannealed; ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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